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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	8111-041-999	Total Pag	8	54
First Nan	ned Inventor or Applicat	ion Identifier	Ľα	?
Yong Soo KANG et a	Sig	í		
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APPLICATION ELEMENTS See MPEP chapters 600 concerning utility patent application contents.		Commissioner for Patents P.O. Box 1450 Mail Stop PATENT APPLICATION Alexandria, VA 22313-1450						
1. 🛛		smittal Form [Total Pages 2] an original, and a duplicate for fee processing)	7. 🗀	CD-ROM or CD (Appendix)	O-R in duplicate, larg	ge table or Comp	uter Program	
2. 🖾	Applican	t claims Small Entity status, see 37 C.F.R. § 1.27	8. 🔲	Nucleotide and/o	or Amino Acid Sequ Il necessary)	uence Submission	1	
3. 🖂	Specifica	tion [Total Pages 20]			outer Readable Form	n (CRF)		
(preferred arrangement set forth below, MPEP 1503.01) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix		 b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statement verifying identity of above copies 						
	Background of the InventionBrief Summary of the InventionBrief Description of the Drawings (if filed)		ACCOMPANYING APPLICATION PARTS					
	- Detaile	d Description of the Invention (including drawings, if filed)	9. 🛛	Assignment Pa	pers (cover sheet &	document(s)) [T	otal Pages 3]	
	- Claim(s) - Abstract of the Disclosure			37 CFR 3.73(b (when there is		Power of Total P	of Attorney ages 2]	
4. Drawing(s) (35 USC 113)		11.	English Transla	ation Document (if a	applicable)			
5. 🖾	Oath or I	Declaration [Total Sheets 3]	12. 🗆	Information Di Statement (IDS		Copies of Citation		
	a. 🖾	Newly executed (original)	13. 🗆	Preliminary Ar	mendment			
	b. 🗌 i. 🗍	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	14. ⊠ 15. ⊠ 16. □	(Should be specified Copy (if foreign prion Nonpublication	Postcard (MPEP 50 cifically itemized) of Priority Docume rity is claimed) a Request under 35 km PTO/SB/35 or it	ent(s) [Total U.S.C. 122 (b)(2)	Pages 23]	
6. 🗆	Applicati	on Data Sheet. See 37 CFR 1.76	17. 🗆	Other:				
Data Sh	18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: filed .							
Prior ap	Prior application information: Examiner: Group Art Unit:							
5b, is co	For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
19. CORRESPONDENCE ADDRESS								
NAME								
ADDRE	SS			•				
CITY				TATE		ZIP CODE		
COUNT	TRY		TELEPH	IONE		FAX		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail No. <u>EV 335 859 464 US</u>

JONES DAY

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ATTORNEY DOCKET NO. 8111-041-999

Date: April 9, 2004

Commissioner for Patents P.O. Box 1450 Mail Stop PATENT APPLICATION Alexandria, VA 22313-1450

Sir:

The following utility patent application is enclosed for filing:

Applicant(s):

Yong Soo KANG; Hoon Sik KIM;

Executed on:

March 5, 2004

Jong Hak KIM; Kookheon CHAR;

Sang Wook KANG; and Jongok WON

Title of Invention:

FACILITATED TRANSPORT MEMBRANES COMPRISING A POROUS SUPPORT

AND A SOLID POLYMER ELECTROLYTE CONSISTING OF A TRANSITION

METAL SALT AND POLYMER HAVING PHTHALIC STRUCTURE

PATENT APPLICATION FEE VALUE

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TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE	
Total Claims	10	- 20	0	\$18.00 each	\$	0
Independent	1	- 3	0	\$86.00 each	\$	0
Minimum Fee						770
Multiple Dependency Fee						-
If Applicable (\$290.00)				\$	0	
Total						770
Applicant qualifies for the 50% Reduction for Independent Inventor,						
Nonprofit Organization or Small Business Concern					\$	385
				Total Filing Fee	\$	385

- Priority of application no. 10-2003-0022841 filed on April 11, 2003 in Korea is claimed under [X] 35 U.S.C. § 119.
- The certified copy of the priority application is enclosed herewith.

Please charge the required fee to Jones Day Deposit Account 503013. A copy of this sheet is enclosed.

Respectfully submitted.

Yeahsil/Moon JONES DAY

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